

* * * * * Welcome to STN International * * * * *

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>	Apr 08	"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
<u>NEWS 4</u>	Apr 09	ZDB will be removed from STN
<u>NEWS 5</u>	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
<u>NEWS 6</u>	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
<u>NEWS 7</u>	Apr 22	BIOSIS Gene Names now available in TOXCENTER
<u>NEWS 8</u>	Apr 22	Federal Research in Progress (FEDRIP) now available
<u>NEWS 9</u>	Jun 03	New e-mail delivery for search results now available
<u>NEWS 10</u>	Jun 10	MEDLINE Reload
<u>NEWS 11</u>	Jun 10	PCTFULL has been reloaded
<u>NEWS 12</u>	Jul 02	FOREGE no longer contains STANDARDS file segment
<u>NEWS 13</u>	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
<u>NEWS 14</u>	Jul 29	Enhanced polymer searching in REGISTRY
<u>NEWS 15</u>	Jul 30	NETFIRST to be removed from STN
<u>NEWS 16</u>	Aug 08	CANCERLIT reload
<u>NEWS 17</u>	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
<u>NEWS 18</u>	Aug 08	NTIS has been reloaded and enhanced
<u>NEWS 19</u>	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
<u>NEWS 20</u>	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
<u>NEWS 21</u>	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
<u>NEWS 22</u>	Aug 26	Sequence searching in REGISTRY enhanced
<u>NEWS 23</u>	Sep 03	JAPIO has been reloaded and enhanced
<u>NEWS 24</u>	Sep 16	Experimental properties added to the REGISTRY file
<u>NEWS 25</u>	Sep 16	CA Section Thesaurus available in CAPLUS and CA
<u>NEWS 26</u>	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
<u>NEWS 27</u>	Oct 21	EVENTLINE has been reloaded
<u>NEWS 28</u>	Oct 24	BEILSTEIN adds new search fields
<u>NEWS 29</u>	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
<u>NEWS 30</u>	Oct 25	MEDLINE SDI run of October 8, 2002
<u>NEWS 31</u>	Nov 18	DKILIT has been renamed APOLLIT
<u>NEWS 32</u>	Nov 25	More calculated properties added to REGISTRY
<u>NEWS 33</u>	Dec 02	TIBKAT will be removed from STN
<u>NEWS 34</u>	Dec 04	CSA files on STN
<u>NEWS 35</u>	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
<u>NEWS 36</u>	Dec 17	TOXCENTER enhanced with additional content
<u>NEWS 37</u>	Dec 17	Adis Clinical Trials Insight now available on STN
<u>NEWS 38</u>	Dec 30	ISMEC no longer available
<u>NEWS 39</u>	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
<u>NEWS 40</u>	Jan 21	NUTRACEUT offering one free connect hour in February 2003
<u>NEWS 41</u>	Jan 21	PHARMAML offering one free connect hour in February 2003
<u>NEWS 42</u>	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
<u>NEWS 43</u>	Feb 13	CANCERLIT is no longer being updated
<u>NEWS 44</u>	Feb 24	METADEx enhancements
<u>NEWS 45</u>	Feb 24	PCTGEN now available on STN
<u>NEWS 46</u>	Feb 24	TEMA now available on STN
<u>NEWS 47</u>	Feb 26	NTIS now allows simultaneous left and right truncation
<u>NEWS 48</u>	Feb 26	PCTFULL now contains images
<u>NEWS 49</u>	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
<u>NEWS EXPRESS</u>		January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
<u>NEWS HOURS</u>		STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>		General Internet Information

NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:22:05 ON 06 MAR 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 18:22:13 ON 06 MAR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 5 MAR 2003 HIGHEST RN 497055-63-7

DICTIONARY FILE UPDATES: 5 MAR 2003 HIGHEST RN 497055-63-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNnote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

L1 STRUCTURE UPLOADED

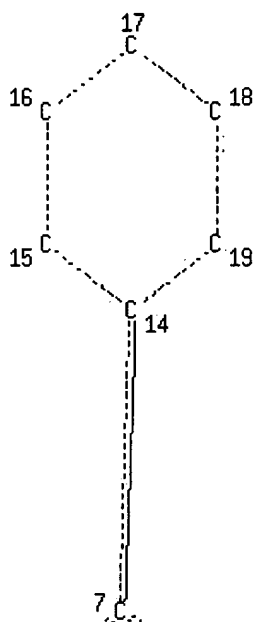
=> d 11

L1 HAS NO ANSWERS

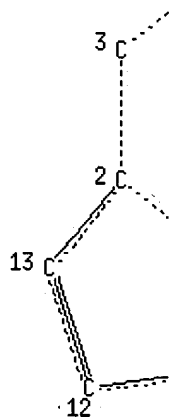
L1 STR

0 20 S 21

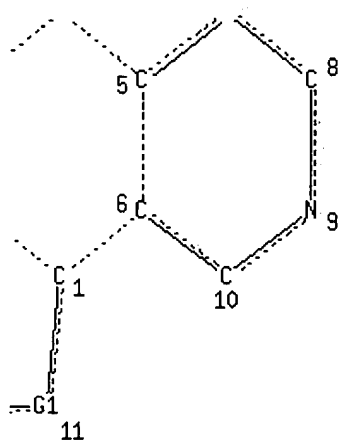
Page 1-A



Page 1-B



Page 2-A



Page 2-B

VAR G1=20/21

NODE ATTRIBUTES:

NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4

NSPEC IS R AT 5
 NSPEC IS R AT 6
 NSPEC IS R AT 7
 NSPEC IS R AT 8
 NSPEC IS R AT 9
 NSPEC IS R AT 10
 NSPEC IS R AT 11
 NSPEC IS R AT 12
 NSPEC IS R AT 13
 NSPEC IS R AT 14
 NSPEC IS R AT 15
 NSPEC IS R AT 16
 NSPEC IS R AT 17
 NSPEC IS R AT 18
 NSPEC IS R AT 19
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

=> s l1

SAMPLE SEARCH INITIATED 18:24:07 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 21 TO ITERATE

100.0% PROCESSED 21 ITERATIONS 1 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 146 TO 694
 PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 147.75 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
 FULL SEARCH INITIATED 18:24:12 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 355 TO ITERATE

100.0% PROCESSED 355 ITERATIONS 6 ANSWERS
 SEARCH TIME: 00.00.01

L3 6 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.95	149.16

FILE 'HCAPLUS' ENTERED AT 18:24:15 ON 06 MAR 2003
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FILE COVERS 1907 - 6 Mar 2003 VOL 138 ISS 10
FILE LAST UPDATED: 5 Mar 2003 (20030305/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 18:22:05 ON 06 MAR 2003)

FILE 'REGISTRY' ENTERED AT 18:22:13 ON 06 MAR 2003

L1 STRUCTURE UPLOADED
L2 1 S L1
L3 6 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 18:24:15 ON 06 MAR 2003

=> s 13

L4 1 L3

=> d 14, ibib abs fhitr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS

Full Text	Citing References
ACCESSION NUMBER:	2002:51467 HCAPLUS
DOCUMENT NUMBER:	136:118393
TITLE:	Preparation and use of furan-fused-4-phenyl substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD)
INVENTOR(S):	Beck, James P.; Pechulis, Anthony D.; Harms, Arthur E.
PATENT ASSIGNEE(S):	Dupont Pharmaceuticals Company, USA
SOURCE:	PCT Int. Appl., 116 pp.
	CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
<u>PATENT INFORMATION:</u>	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002004455	A2	20020117	WO 2001-US21818	20010711
WO 2002004455	A3	20020620		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ,

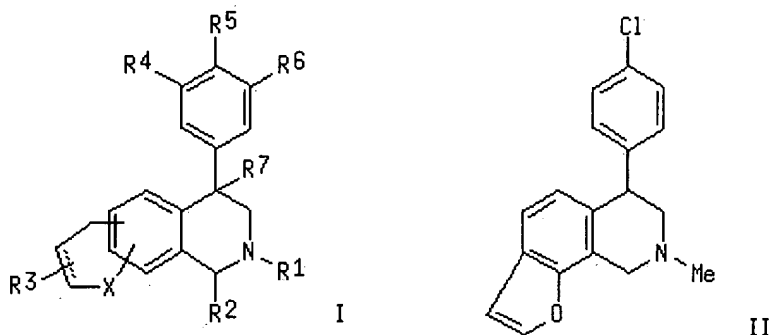
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002091134 A1 20020711 US 2001-902845 20010711

PRIORITY APPLN. INFO.: US 2000-217412P P 20000711

OTHER SOURCE(S): MARPAT 136:118393

GI



AB Title compds. I [R1 = alk(en/yn)yl, cycloalkyl, 5-cycloalkylalkyl and benzyl, each of which is optionally substituted with 1 to 3 substituents; R2 = H, alk(en/yn)yl, cycloalkyl, cycloalkylalkyl and haloalkyl; R3 = H, halo, alkyl, haloalkyl and cycloalkyl, wherein alkyl, haloalkyl and cycloalkyl are optionally substituted with 1 to 3 substituents selected from alkoxy and amino; R4-6 = H, halo, alkoxy, NO₂, amino, amido, ureido, S(O)n, CN, acyl, carboxy, carboxamide, alk(en/yn)yl, cycloalkyl and cycloalkylalkyl; alternatively R5-6 = O-alkyl-O; R7 = H, halo and alkoxy; X = O, NH (and substituted derivs.) and S; n = 0 - 2] with some provisos, were prepd. E.g., 7-formylbenzofuran was converted to the corresponding methylamino-Me deriv. (MeOH, MeNH₂, NaBH₄), alkylated with p-chlorophenacyl bromide (CH₂Cl₂, Et₃N) and reduced to the amino alc. (CH₂Cl₂, NaBH₄, 5 h, 0° → room temp.). This intermediate was treated dropwise with MeOH (CH₂Cl₂, 0°C → reflux, overnight) to give II as a yellow oil (18% overall yield). Over 150 synthetic examples were provided. Compds. I are selective neurotransmitter receptor binding ligands (no data). I are useful in the treatment of attention-deficit hyperactivity disorder.

IT **389844-04-6P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug; prepn. and use of furan-fused-4-Ph substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD))

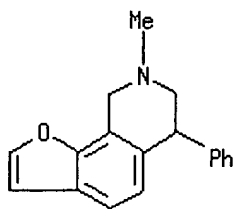
RN **389844-04-6** HCAPLUS

CN Furo[3,2-h]isoquinoline, 6,7,8,9-tetrahydro-8-methyl-6-phenyl-, (2Z)-2-butenedioate (9CI) (CA INDEX NAME)

CM 1

CRN **389844-03-5**

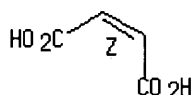
CMF C18 H17 N O



CM 2

CRN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



=> file caold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.79	155.95

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.65	-0.65

CA SUBSCRIBER PRICE

FILE 'CAOLD' ENTERED AT 18:24:41 ON 06 MAR 2003

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 18:22:05 ON 06 MAR 2003)

FILE 'REGISTRY' ENTERED AT 18:22:13 ON 06 MAR 2003

L1 STRUCTURE UPLOADED

L2 1 S L1

L3 6 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 18:24:15 ON 06 MAR 2003

L4 1 S L3

FILE 'CAOLD' ENTERED AT 18:24:41 ON 06 MAR 2003

=> s l3

L5 0 L3

=>

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.80	156.75
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.65

FILE 'REGISTRY' ENTERED AT 18:25:51 ON 06 MAR 2003

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STRUCTURE FILE UPDATES: 5 MAR 2003 HIGHEST RN 497055-63-7

DICTIONARY FILE UPDATES: 5 MAR 2003 HIGHEST RN 497055-63-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNnote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

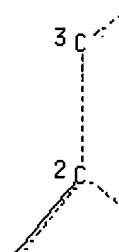
L6 STRUCTURE UPLOADED

=> d l6

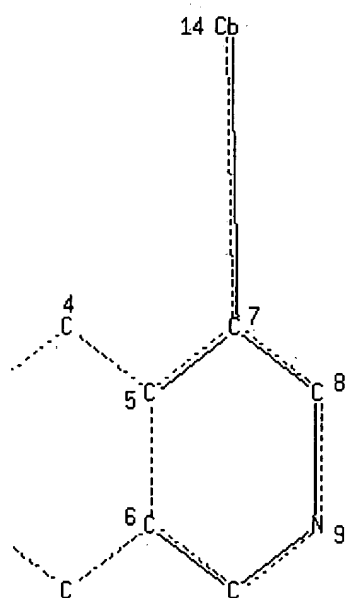
L6 HAS NO ANSWERS

L6 STR

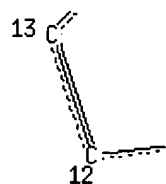
0 15 S 16



Page 1-A



Page 1-B



Page 2-A



Page 2-B

VAR G1=15/16

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS R	AT	7
NSPEC	IS R	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS R	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS C	AT	14

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

=> s 16

SAMPLE SEARCH INITIATED 18:26:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2164 TO ITERATE

46.2% PROCESSED 1000 ITERATIONS

1 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 40491 TO 46069

PROJECTED ANSWERS: 1 TO 131

L7

1 SEA SSS SAM L6

=> s 16 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 147.75 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 18:26:15 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 43040 TO ITERATE

100.0% PROCESSED 43040 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

L8

6 SEA SSS FUL L6

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

304.90

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.65

FILE 'HCAPLUS' ENTERED AT 18:26:24 ON 06 MAR 2003
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FILE COVERS 1907 - 6 Mar 2003 VOL 138 ISS 10
 FILE LAST UPDATED: 5 Mar 2003 (20030305/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

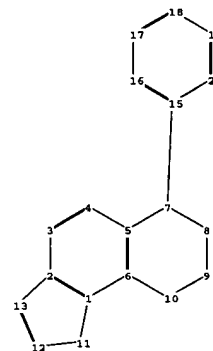
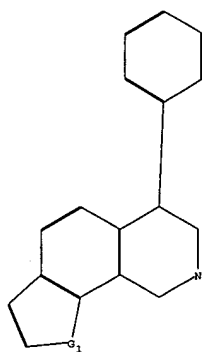
=> s 18

L9 1 L8

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	307.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.65

STN INTERNATIONAL LOGOFF AT 18:26:31 ON 06 MAR 2003



ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20

chain bonds :

7-15

ring bonds :

1-2 1-6 1-11 2-3 2-13 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 12-13 15-16
15-20 16-17 17-18 18-19 19-20

exact/norm bonds :

1-11 2-13 5-7 6-10 7-8 7-15 8-9 9-10 11-12 12-13

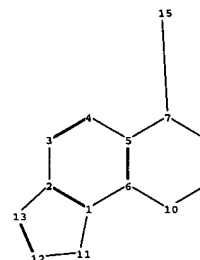
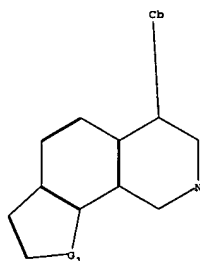
normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom



chain nodes :

15

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

7-15

ring bonds :

1-2 1-6 1-11 2-3 2-13 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 12-13

exact/norm bonds :

1-11 2-13 5-7 6-10 7-8 7-15 8-9 9-10 11-12 12-13

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 15:Atom